



that various changes and modifications may be made without departing from the spirit and scope of the invention which is defined by the appended claims.

What is claimed is:

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**CLAIMS**

- 1      1. A method for correcting the clock in an digital video  
2            data stream transmitted in packets over a network, said  
3            method comprising the steps of:  
4                a. placing said video packets in an output FIFO memory;  
5                b. outputting data from said output FIFO according to a  
6                    clock rate or bit rate that is adjustable;  
7                c. filtering the level of data in said output FIFO to  
8                    produce a current average level and a previous  
9                    average level; and  
10               d. changing said adjustable clock rate or bit rate  
11                    according to said current average level and said  
12                    previous average level;  
13               whereby said output FIFO level is driven towards a  
14                    predetermined target level.

TELEVISION SIGNAL PROCESSING

1           2. The method of Claim 1 wherein in step d the adjustable  
2           clock is changed according to the relationship:

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3               if |(aveFifoLevelCurrent - TargetLevel)| <
4               |(aveFifoLevelPrevious - TargetLevel)| then the BitRateChange =
5               MinBitRateChange;

6               if aveFifoLevelCurrent > TargetLevel >
7               FifoLevelPrevious or if aveFifoLevelCurrent < TargetLevel <
8               aveFifoLevelPrevious then BitRateChangeDir = -BitRateChangeDir, and
9               BitRateChange = MinBitRateChange;

10              if |(aveFifoLevelCurrent - TargetLevel)| >
11              |(aveFifoLevelPrevious - TargetLevel)| then BitRateChange = 2 *
12              BitRateChange.
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1           3. The method of Claim 2 wherein in Step d the rate at which  
2           said clock is changed is limited to a maximum rate in  
3           accordance with at least one predetermined specification.